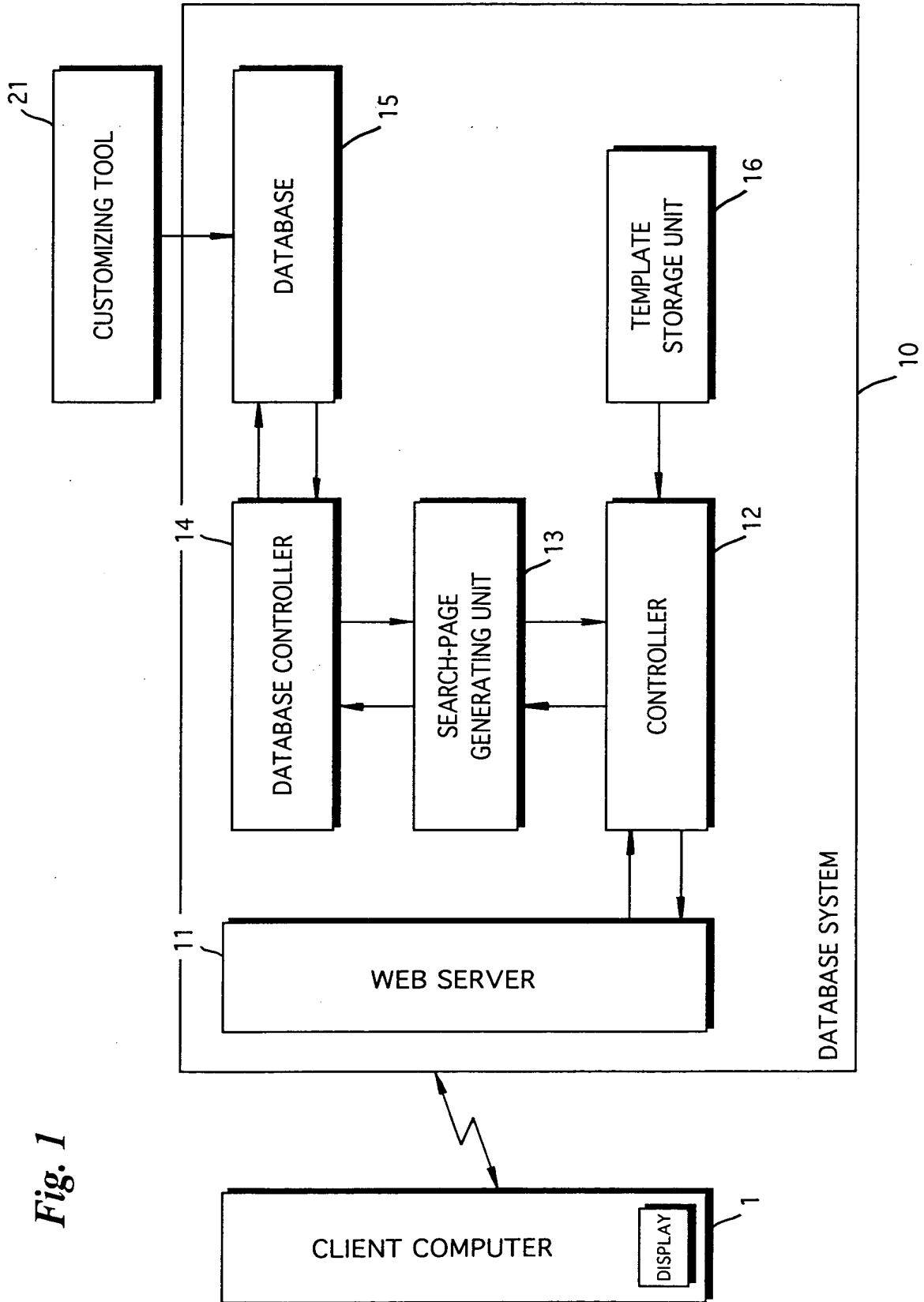
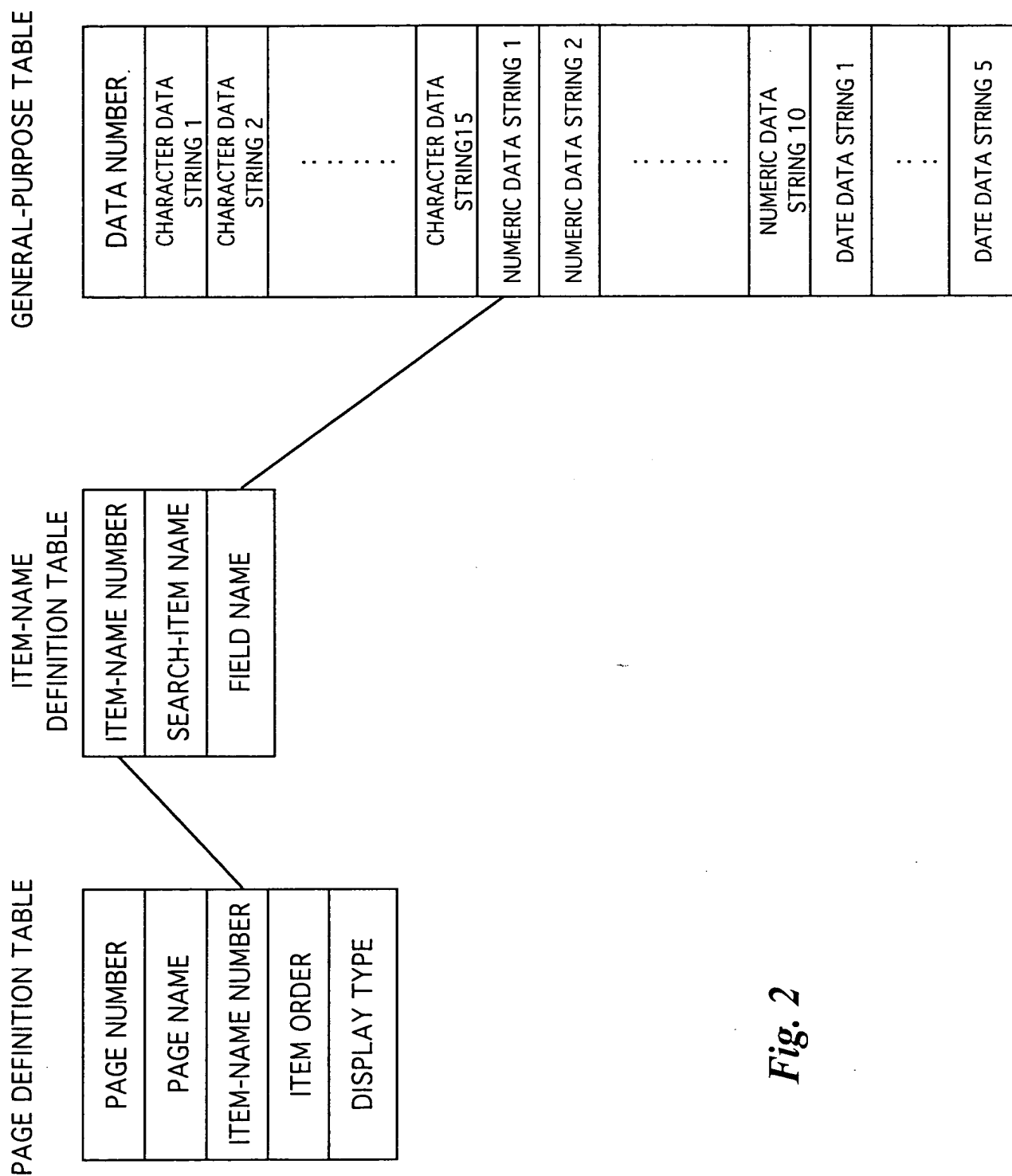


Fig. 1





**Fig. 2**



*Fig. 4*

ITEM-NAME DEFINITION TABLE (BEFORE CHANGE)

ITEM-NAME NUMBER	ITME NAME	FIELD NAME
1	PRODUCT CATEGORY	CHARACTER DATA STRING 1
2	PRODUCT NAME	CHARACTER DATA STRING 2
⋮	⋮	⋮
9	MANUFACTURER NAME	CHARACTER DATA STRING 14
10	PRODUCT FEATURE	CHARACTER DATA STRING 15
11	WEIGHT	NUMERIC DATA STRING 1
⋮	⋮	⋮
21	NUMBER IN STOCK	NUMERIC DATA STRING 10
⋮	⋮	⋮
24	SALES DATE	DATE DATA STRING 1
⋮	⋮	⋮

PAGE DEFINITION TABLE (BEFORE CHANGE)

**Fig. 5**

PAGE NUMBER	PAGE NAME	ITEM-NAME NUMBER	ITEM ORDER	DISPLAY TYPE	VALUE
1	ROOT/query	1	1	TEXT	
1	ROOT/query	2	2	TEXT	
1	ROOT/query	9	3	LIST	AAA ELECTRIC CO./FFF ELECTRONICS CO./GG INDUSTRIES
1	ROOT/query	10	4	TEXT	
1	ROOT/query	11	5	TEXT	
1	ROOT/query	24	6	TEXT	
2	ROOT/Entry	1	1	TEXT	
2	ROOT/Entry	2	3	TEXT	
2	ROOT/Entry	9	2	TEXT	
2	ROOT/Entry	10	6	TEXT	
2	ROOT/Entry	11	5	TEXT	
2	ROOT/Entry	24	4	TEXT	
3	ROOT/List	1	1	TEXT	
3	ROOT/List	2	3	TEXT	
3	ROOT/List	9	2	TEXT	
3	ROOT/List	10	4	TEXT	
3	ROOT/List	11	6	TEXT	
3	ROOT/List	24	5	TEXT	

002320 604459

ITEM-NAME DEFINITION TABLE (AFTER CHANGE)

*Fig. 6*

ITEM-NAME NUMBER	ITEM NUMBER	FIELD
1	PRODUCT CLASS	CHARACTER DATA STRING 1
2	PRODUCT NAME	CHARACTER DATA STRING 2
⋮	⋮	⋮
9	NAME OF MANUFACTURING COMPANY	CHARACTER DATA STRING 14
10	PRODUCT FEATURE	CHARACTER DATA STRING 15
11	POUNDAGE	NUMERIC DATA STRING 1
⋮	⋮	⋮
21	NUMBER IN STOCK	NUMERIC DATA STRING 10
⋮	⋮	⋮
24	SALES DATE	DATE DATA STRING 1
⋮	⋮	⋮

00250 604450

**Fig. 7**

PAGE NAME : ROOT/query

## SET SEARCH CONDITIONS

SEARCH ALL	ITEM SEARCH
PRODUCT CATEGORY	<div style="border: 1px solid black; padding: 2px; display: inline-block;">PRINTER</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 10px;">MATCH ▼</div>
PRODUCT NAME	<div style="border: 1px solid black; padding: 2px; display: inline-block; width: 150px;"></div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 10px;">MATCH ▼</div>
MANUFACTURE NAME	<div style="border: 1px solid black; padding: 2px; display: inline-block;">AAA ELECTRIC CO.</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 10px;">MATCH ▼</div>
PRODUCT FEATURE	<div style="border: 1px solid black; padding: 2px; display: inline-block; width: 150px;"></div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 10px;">INCLUDES ▼</div>
WEIGHT	<div style="border: 1px solid black; padding: 2px; display: inline-block; width: 80px;"></div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 5px;">~ ▼</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; width: 80px;"></div>
SALES DATE	<div style="border: 1px solid black; padding: 2px; display: inline-block;">1997/1/1</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 5px;">~ ▼</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; width: 80px;"></div>

JOIN CONDITION ● AND ○ OR A3

SEARCH

A4

**A1**

**A3**

**A4**

*Fig. 8*

PAGE NAME : ROOT/query

The screenshot shows a web-based search interface. At the top, there is a title bar with the text "SET SEARCH CONDITIONS". Below this, there are two tabs: "SEARCH ALL" and "ITEM SEARCH". The main area contains several search criteria, each with an input field and a dropdown menu for the search type. The criteria are: "PRODUCT CLASS" (value: PRINTER, type: MATCH), "PRODUCT NAME" (empty, type: MATCH), "NAME OF MANUFACTURING COMPANY" (value: AAA ELECTRIC CO., type: MATCH), "PRODUCT FEATURE" (empty, type: INCLUDES), "POUNDAGE" (empty, type: ~), and "SALES DATE" (value: 1997/1/1, type: ~). At the bottom, there is a "JOIN CONDITION" section with radio buttons for "AND" (selected) and "OR". A "SEARCH" button is located at the bottom left. Labels A1, A3, and A4 point to specific elements: A1 points to the main search area, A3 points to the "AND/OR" join condition, and A4 points to the "SEARCH" button.

SET SEARCH CONDITIONS

SEARCH ALL ITEM SEARCH

PRODUCT CLASS PRINTER MATCH ▼

PRODUCT NAME MATCH ▼

NAME OF MANUFACTURING COMPANY AAA ELECTRIC CO. MATCH ▼

PRODUCT FEATURE INCLUDES ▼

POUNDAGE ~ ▼

SALES DATE 1997/1/1 ~ ▼

JOIN CONDITION ● AND ○ OR

SEARCH



*Fig. 9*

PAGE NAME : ROOT/Entry

REGISTER

IMAGE INFORMATION ATTACHMENT DOCUMENT

PRODUCT CATEGORY MONITOR

MANUFACTURE NAME BBB MONITOR CO.

PRODUCT NAME DN40T

SALES DATE 1997/4/5

WEIGHT 43000

FEATURES FLAT PANEL; FULL COLOR 1600 × 1280

SELECT IMAGE

REGISTER

A5

A6

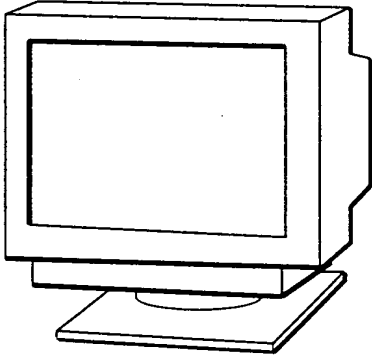
A7

A8

*Fig. 10*

PAGE NAME : ROOT/Entry

REGISTER

IMAGE INFORMATION	ATTACHMENT DOCUMENT
 A7	PRODUCT CLASS MONITOR
	NAME OF MANUFACTURING COMPANY BBB MONITOR CO.
	PRODUCT NAME DN40T
	SALES DATE 1997/4/5
	POUNDAGE 43000
	FEATURES FLAT PANEL; FULL COLOR 1600 × 1280

A6

SELECT IMAGE

REGISTER


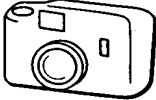
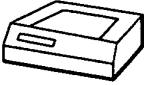
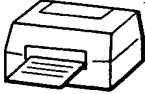
A5

A8

*Fig. 11*

PAGE NAME : ROOT/List

A21 LIST OF SEARCH RESULTS A22  
 GROUP KEYWORD PRODUCT CATEGORY ▼ GROUPING  
 A10


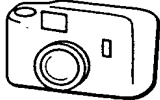
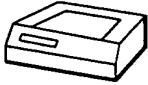
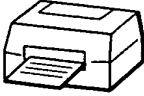
THUMBNAIL IMAGES	PRODUCT CATEGORY	MANUFACTURE NAME	PRODUCT NAME	FEATURE
	PRINTER	AAA ELECTRIC CO.	C-300D	TA SYSTEM
	CAMERA	AAA ELECTRIC CO.	S-300	MEGAPIXEL
	PRINTER	CC PRINTER CO.	XT-70	INK JET
	PRINTER	DD CO.	NX-500Z	SUBLIMATION

A35 A34 1/200 A31 A32 A33 BACK A41

*Fig. 12*

PAGE NAME : ROOT/List

A21 LIST OF SEARCH RESULTS A22  
 GROUP KEYWORD PRODUCT CATEGORY ▼ GROUPING  
 A10

THUMBNAIL IMAGES	PRODUCT CLASS	NAME OF MANUFACTURING COMPANY	PRODUCT NAME	FEATURE
	PRINTER	AAA ELECTRIC CO.	C-300D	TA SYSTEM
	CAMERA	AAA ELECTRIC CO.	S-300	MEGAPIXEL
	PRINTER	CC PRINTER CO.	XT-70	INK JET
	PRINTER	DD CO.	NX-500Z	SUBLIMATION

◀◀
◀
1/200
▶
▶▶
BACK A41  
 A35 A34 A31 A32

**Fig. 13**

PAGE NUMBER	PAGE NAME	ITEM-NAME NUMBER	ITEM ORDER	DISPLAY TYPE	VALUE
1	ROOT/query	1	3	TEXT	
1	ROOT/query	2	1	TEXT	
1	ROOT/query	9	2	LIST	AAA ELECTRIC CO./FFF ELECTRONICS CO./GG INDUSTRIES
1	ROOT/query	10	4	TEXT	
1	ROOT/query	11	5	TEXT	
2	ROOT/Entry	1	1	TEXT	
2	ROOT/Entry	2	2	TEXT	
2	ROOT/Entry	9	3	TEXT	
2	ROOT/Entry	10	5	TEXT	
2	ROOT/Entry	11	4	TEXT	
3	ROOT/List	1	2	TEXT	
3	ROOT/List	2	4	TEXT	
3	ROOT/List	9	1	TEXT	
3	ROOT/List	10	3	TEXT	
3	ROOT/List	11	5	TEXT	

**Fig. 14**

PAGE NAME : ROOT/query

Figure 1 is a schematic diagram of a search interface. At the top, there is a rounded rectangle labeled "SET SEARCH CONDITIONS". Below this, there are two tabs: "SEARCH ALL" and "ITEM SEARCH". The "ITEM SEARCH" tab is selected. The interface contains several input fields: "PRODUCT NAME" with a text box and a "MATCH" dropdown; "MANUFACTURE NAME" with a text box containing "AAA ELECTRIC CO." and a "MATCH" dropdown; "PRODUCT CATEGORY" with a text box containing "PRINTER" and a "MATCH" dropdown; "PRODUCT FEATURE" with a text box and an "INCLUDES" dropdown; and "WEIGHT" with two text boxes, a tilde "~", and a dropdown arrow. Below these is a "JOIN CONDITION" section with a solid circle for "AND" and an open circle for "OR". At the bottom is a "SEARCH" button. Reference numerals A1, A3, and A4 point to the "ITEM SEARCH" tab, the "JOIN CONDITION" section, and the "SEARCH" button respectively.

*Fig. 15*

PAGE NAME : ROOT/Entry

REGISTER

IMAGE INFORMATION ATTACHMENT DOCUMENT

PRODUCT CATEGORY MONITOR

PRODUCT NAME DN40T

MANUFACTURE NAME BBB MONITOR CO.

WEIGHT 43000

FEATURES FLAT PANEL; FULL COLOR 1600x1280

SELECT IMAGE

REGISTER

A5

A6

A7

A8

*Fig. 16*


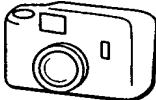
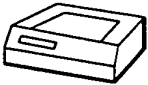
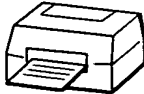
PAGE NAME : ROOT/List





002349 604250

A21 LIST OF SEARCH RESULTS A22

GROUP KEYWORD PRODUCT CATEGORY ▼ GROUPING

A10

THUMBNAIL IMAGES	MANUFACTURE NAME	PRODUCT CATEGORY	FEATURE	PRODUCT NAME
	AAA ELECTRIC CO.	PRINTER	TA SYSTEM	C-300D
	AAA ELECTRIC CO.	CAMERA	MEGAPIXEL	S-300
	CC PRINTER CO.	PRINTER	INK JET	XT-70
	DD CO.	PRINTER	PHOTO-GRAPHIC	NX-500Z



1/200


A33

BACK A41

A35 A34 A31 A32



*Fig. 17*